

# Compliance Calendar For Dry Cleaning Facilities



**Non-compliance** - Failure to comply with the dry cleaning regulations may result in enforcement action which can include civil charges not to exceed \$32,000 per day of violation.

For Compliance Assistance call DEQ at (804) 698-4394.

## SUMMARY OF REQUIREMENTS FOR TYPICAL PERC DRY-CLEANING FACILITIES

- 1. RECORDS TO BE KEPT ON SITE FOR 5 YRS:
  - a) Machine design specifications and operating manuals;
  - b) PERC receipts;
  - c) Rolling 12-month totals of PERC purchases;
  - d) Temperature checks;
  - e) PERC Leak checks;
  - f) Dates of Repairs to fix PERC leaks and high temperatures.

#### 2. PERC **LEAK** CHECKS:

- a) Frequency is once each calendar week unless no dry-cleaning was done the entire week (or bi-weekly if the dry-to-dry machine was purchased before Dec. 9, 1991 and if 12-month PERC usage is always less than 140 gal for all machines at the facility combined).
- b) Check for vapor or liquid PERC leaks. If leaking, repair is required.
- c) Method 1: electronic detector (**must use detector at least once each month**) Method 2:
  - Odor; and
  - Visual such as pools or droplets; and
  - Detection of gas flow by passing fingers over the surface.
- d) Check when machine is in operation.
- e) Locations: all gaskets, seals, pipe & hose connections, valves, pumps, and other potential PERC leak locations.
- f) Records: 1) date; 2) name or location of component where PERC leak was found. (If no drycleaning is done the entire week, note this as reason for no PERC leak check for the week.)
- 3. **TEMPERATURE** CHECKS<sup>2</sup> of PERC laden air after the **refrigerated condenser** but before heating coils (Checking refrigerant pressures is an alternative but we don't encourage this.):
  - a) Frequency is once each calendar week (unless no dry-cleaning was done the entire week).
  - b) Temperature taken when machine is in cool down cycle.
  - c) Maximum temperature is 45°F (or 7.2°C) at end of cool down cycle. If too high, repair is required.
  - d) Records: 1) date; 2) temperature. (If no dry-cleaning is done the entire week, note this as reason for no temperature check for the week.)
- 4. **REPAIRS** to correct High Temperatures or PERC Leaks, discovered during weekly check:
  - a) Deadline: 24 hr to complete repair if no parts needed.
  - b) Deadline: 2 working days to order parts needed for repair.
  - c) Deadline: 5 working days after receipt of parts to install them.
  - d) Records: 1) date parts ordered; 2) date parts received; 3) date repair was completed.

#### 5. EQUIPMENT & OPERATING REQUIREMENTS:

- a) Dry-to-dry machine installed after 12/21/05 must have a non-vented carbon adsorber (or equivalent device) to remove PERC from the drum prior to opening the door & must desorb per manufacturer's instructions.
- b) Store PERC and wastes that contain PERC in sealed containers (lid on tightly).
- c) Cartridge filters must be drained in the housing or in other sealed container for at least 24 hr before removal from the facility.
- d) Keep machine door closed except when loading or removing clothes.
- e) Operate in accordance with operating manual.

<sup>1</sup> Typical means facility has only dry-to-dry machines and facility 12-month PERC usage is always less than 2100 gal.

<sup>&</sup>lt;sup>2</sup> Temperature checks are not required for dry-to-dry machines installed prior to Dec. 9, 1991 if 12-month PERC usage is always less than 140 gal.

# **JANUARY 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
1/3	1/4	1/5	1/6	1/7	1/8	1/9
1/10	1/11	1/12	1/13	1/14	1/15	1/16
1/17	1/18	1/19	1/20	1/21	1/22	1/23
1/24	1/25	1/26	1/27	1/28	1/29	1/30

This form was developed for the most commonly used monitoring. The regulation allows alternatives.

## WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Jan 3 - 9		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Jan 10- 16		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Jan 17- 23		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Jan 24- 30		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

#### REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

<b>REPAIR DEADLINE</b> if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) <b>INSTALL</b> parts (complete repair) within <b>5 working</b>
	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **FEBRUARY 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
1/31	2/1	2/2	2/3	2/4	2/5	2/6
2/7	2/8	2/9	2/10	2/11	2/12	2/13
2/14	2/15	2/16	2/17	2/18	2/19	2/20
2/21	2/22	2/23	2/24	2/25	2/26	2/27

This form was developed for the most commonly used monitoring. The regulation allows alternatives.

## **WEEKLY MONITORING RESULTS**

LEAKS: During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Jan 31 - Feb 6		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Feb 7 - 13		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Feb 14- 20		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Feb 21- 27		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

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Date discovered:					
Date parts ordered:					
Date Parts Received:					
Date Repair Completed:					
Repair Deadlines Met?	☐ Yes ☐	No	☐ Yes	☐ No	☐ Yes ☐ No
REPAIR DEADLINE if no DEADLINES if parts are needed:					
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;				
after discovery.					ithin <b>5 working</b>

days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **MARCH 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
2/28	3/1	3/2	3/3	3/4	3/5	3/6
3/7	3/8	3/9	3/10	3/11	3/12	3/13
3/14	3/15	3/16	3/17	3/18	3/19	3/20
3/21	3/22	3/23	3/24	3/25	3/26	3/27
3/28	3/29	3/30	3/31	4/1	4/2	4/3

## WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Feb 28 - Mar 6		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Mar 7 - 13		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Mar 14 - 20		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Mar 21 - 27		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Mar 28 - Apr 3		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:				
Date parts ordered:				
Date Parts Received:				
Date Repair Completed:				
Repair Deadlines Met?	☐ Yes	☐ No	☐ Yes ☐ No	☐ Yes ☐ No

REPAIR DEADLINE <u>if</u>	<b>DEADLINES</b> if parts are needed:
no parts are needed: 24	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
hours after discovery.	b) <b>INSTALL</b> parts (complete repair) within <b>5 working</b>
·	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **APRIL 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
4/4	4/5	4/6	4/7	4/8	4/9	4/10
4/11	4/12	4/13	4/14	4/15	4/16	4/17
4/18	4/19	4/20	4/21	4/22	4/23	4/24
4/25	4/26	4/27	4/28	4/29	4/30	5/1

# WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
April 4 - April 10		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
April 11 - 17		☐ Detector☐ Other	<ul> <li>☐ Leak at:</li> <li>☐ No leaks</li> </ul>	°F or °C	☐ Fail ☐ Pass
April 18 - 24		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
April 25 - May 1		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## **REPAIRS FOR LEAKS or FAILED TEMPERATURE**

Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) INSTALL parts (complete repair) within 5 working
	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **MAY 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
5/2	5/3	5/4	5/5	5/6	5/7	5/8
5/9	5/10	5/11	5/12	5/13	5/14	5/15
5/16	5/17	5/18	5/19	5/20	5/21	5/22
5/23	5/24	5/25	5/26	5/27	5/28	5/29

# WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
May 2 - 8		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
May 9 - 15		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
May 16 - 22		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
May 23 - 29		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

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Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
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REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) INSTALL parts (complete repair) within 5 working
	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **JUNE 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
5/30	5/31	6/1	6/2	6/3	6/4	6/5
6/6	6/7	6/8	6/9	6/10	6/11	6/12
6/13	6/14	6/15	6/16	6/17	6/18	6/19
6/20	6/21	6/22	6/23	6/24	6/25	6/26
6/27	6/28	6/29	6/30	7/1	7/2	7/3

## WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	
May 30- June 5		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	<b>-</b>   -
June 6 - 12		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	<b>=</b>
June 13 - 19		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	<b>⊣</b>
June 20 - 26		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	
June 27- July 3		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	7 = -

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ N	lo Yes No	☐ Yes ☐ No

REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) <b>INSTALL</b> parts (complete repair) within <b>5 working</b>
	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **JULY 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
7/4	7/5	7/6	7/7	7/8	7/9	7/10
7/11	7/12	7/13	7/14	7/15	7/16	7/17
7/18	7/19	7/20	7/21	7/22	7/23	7/24
7/25	7/26	7/27	7/28	7/29	7/30	7/31

# WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
July 4 - 10		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
July 11 - 17		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
July 18 - 24		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
July 25 - 31		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:					
Date parts ordered:					
Date Parts Received:					
Date Repair Completed:					
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No		
<b>REPAIR DEADLINE</b> if no <b>DEADLINES</b> if parts are needed:					
1 1 041					

REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) INSTALL parts (complete repair) within 5 working
	days of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **AUGUST 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
8/1	8/2	8/3	8/4	8/5	8/6	8/7
8/8	8/9	8/10	8/11	8/12	8/13	8/14
8/15	8/16	8/17	8/18	8/19	8/20	8/21
8/22	8/23	8/24	8/25	8/26	8/27	8/28

## WEEKLY **MONITORING RESULTS**

LEAKS: During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Aug 1 - 7		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Aug 8- 14		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Aug 15 - 21		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Aug 22 - 28		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

## Date discovered: Date parts ordered: **Date Parts Received: Date Repair Completed: Repair Deadlines Met?** 🗌 Yes 🔲 No ☐ Yes ☐ No ☐ Yes ☐ No

REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;
after discovery.	b) INSTALL parts (complete repair) within 5 working
	days of receipt.

## PERC PURCHASES

Date	Amount
Total	

# **SEPTEMBER 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
8/29	8/30	8/31	9/1	9/2	9/3	9/4
9/5	9/6	9/7	9/8	9/9	9/10	9/11
9/12	9/13	9/14	9/15	9/16	9/17	9/18
9/19	9/20	9/21	9/22	9/23	9/24	9/25
9/26	9/27	9/28	9/29	9/30	10/1	10/2

## WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp Maximu 45°F / 7.	m =	Temp. Pass or Fail?
Aug 29- Sept 4		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	or	°F °C	☐ Fail ☐ Pass
Sept 5 - 11		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	or	°F °C	☐ Fail ☐ Pass
Sept 12 - 18		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	or	°F °C	☐ Fail ☐ Pass
Sept 19 - 25		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	or	°F °C	☐ Fail ☐ Pass
Sept 26 - Oct 2		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	or	°F °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

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parts are needed: 24 hours	a) ORDI
after discovery.	b) INST
-	days of r

REPAIR DEADLINE if no DEADLINES if parts are needed:

- a) **ORDER** parts within **2 working days** of discovery;
- b) **INSTALL** parts (complete repair) within **5 working days** of receipt.

## **PERC PURCHASES**

Date	Amount
Total	

# **OCTOBER 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
10/3	10/4	10/5	10/6	10/7	10/8	10/9
10/10	10/11	10/12	10/13	10/14	10/15	10/16
10/17	10/18	10/19	10/20	10/21	10/22	10/23
10/24	10/25	10/26	10/27	10/28	10/29	10/30

# WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Oct 3 - 9		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Oct 10 - 16		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Oct 17 - 23		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Oct 24 – 30		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

	<del>••••••</del>	=		
Date discovered:				
Date parts ordered:				
Date Parts Received:				
Date Repair Completed:				
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
REPAIR DEADLINE if no	<b>DEADLINES</b> if p	arts are needed:		
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;			
after discovery.	b) INSTALL parts (complete repair) within 5 working			
_	days of receipt.			

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Date	Amount
Total	

# **NOVEMBER 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
10/31	11/1	11/2	11/3	11/4	11/5	11/6
11/7	11/8	11/9	11/10	11/11	11/12	11/13
11/14	11/15	11/16	11/17	11/18	11/19	11/20
11/21	11/22	11/23	11/24	11/25	11/26	11/27

# WEEKLY MONITORING RESULTS

after discovery.

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Oct 31 - Nov 6		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Nov 7 - 13		☐ Detector ☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Nov 14 - 20		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Nov 21 - 27		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

b) INSTALL parts (complete repair) within 5 working

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

NEFAINS FOR LEANS	OI FAILLD IL	WIFERATORE		
Date discovered:				
Date parts ordered:				
Date Parts Received:				
Date Repair Completed:				
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
REPAIR DEADLINE if no	<b>DEADLINES</b> if parts are needed:			
parts are needed: 24 hours	a) <b>ORDER</b> parts within <b>2 working days</b> of discovery;			

days of receipt.

PERC P	URCI	HASES
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Date	Amount
Total	

# **DECEMBER 2011**

Monitor once each week. Write an "M" on each day you monitor.

Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
11/28	11/29	11/30	12/1	12/2	12/3	12/4
12/5	12/6	12/7	12/8	12/9	12/10	12/11
12/12	12/13	12/14	12/15	12/16	12/17	12/18
12/19	12/20	12/21	12/22	12/23	12/24	12/25
12/26	12/27	12/28	12/29	12/30	12/31	1/1

## WEEKLY MONITORING RESULTS

**LEAKS:** During operation, check: gaskets (door, filter and other), pumps, valves, seals, pipe & hose connections and any other potential PERC leak location.

\*\*USE PERC DETECTOR at least once each month. Sight, smell and feel is other leak check method.

**TEMPERATURE:** Read temp. of PERC laden air after it passes over the refrigerated condenser. If not sure where, ask maintenance man or manufacturer.

Week of	Date Monitored	Leak Check Method	Location of PERC Leaks	Temp. Maximum = 45°F / 7.2°C	Temp. Pass or Fail?
Nov 28 - Dec 4		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Dec 5 – 11		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Dec 12- 18		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Dec 19 – 25		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass
Dec 26 - Jan 1		☐ Detector☐ Other	☐ Leak at: ☐ No leaks	°F or °C	☐ Fail ☐ Pass

## REPAIRS FOR LEAKS or FAILED TEMPERATURE

Date discovered:			
Date parts ordered:			
Date Parts Received:			
Date Repair Completed:			
Repair Deadlines Met?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

REPAIR DEADLINE 11 no	DEADLIN
parts are needed: 24 hours	a) ORDER
after discovery.	b) INSTAL
	days of rece

**DEADLINES** if parts are needed:

- a) **ORDER** parts within **2 working days** of discovery;
- b) INSTALL parts (complete repair) within 5 working days of receipt

## PERC PURCHASES

Date	Amount
Total	



2011

2011

2011

2011

2011

**August** 

October

November

December

September

## **ROLLING 12-MONTH TOTALS – PERC PURCHASED**

What is a Rolling 12-Month Total? Simply stated, you

← Add Sept 2010 through Aug 2011

← Add Oct 2010 through Sept 2011

← Add Nov 2010 through Oct 2011

← Add Dec 2010 through Nov 2011

← Add Jan through Dec 2011

Calendar year: 2011

YEAR	Month	FOR THE MONTH	calculate a 12-month total at the end of each month for the previous 12 months.			
2010	January					
2010	February		For example, at the end of August, add the numbers for August, July, June, May, April, March, February, January, December, November, October, and September. You totaled 12 months.			
2010	March					
2010	April		OR			
2010	Мау			ay to think of it and to calculate it. At the		
2010	June		Here is another way to think of it and to calculate it: At the end of a calendar year, add the numbers for January through December. You have a 12-month total. When January is			
2010	July		over, add January	to the total. You now have a 13 month		
2010	August		total. That is too many. Next, subtract LAST January. You again have a 12 month total. When February is over, add February to the previous 12-month total but subtract LAST February. When March is over, add March to the previous 12-month total but subtract LAST March. This procedure always leaves you with 12 months in the total.			
2010	September					
2010	October					
2010	November		12-MONTH TOTAL	Months to add to get 12-Month Total		
2010	December			← Add Jan 2010 through Dec 2010		
2011	January			← Add Feb 2010 through Jan 2011		
2011	February			← Add March 2010 through Feb 2011		
2011	March			← Add April 2010 through March 2011		
2011	April			← Add May 2010 through April. 2011		
2011	Мау			← Add June 2010 through May 2011		
2011	June			← Add July 2010 through June 2011		
2011	July			← Add Aug 2010 through July 2011		